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(54) FLAME-RETARDANT RESIN COMPOSITION AND ITS PRODUCTION

(57)Abstract:

PURPOSE: To produce a flame-retardant thermoplastic elastomer compsn. having high mechanical strengths and being free from bleedout.

CONSTITUTION: 100 pts.wt. polymer component comprising a thermolastic elastomer (A), a chloroethylene polymer (B), and an ethylene polymer (C) is compounded with 10-30 pts. wt. antimony oxide, 10-35 pts.wt. aluminum hydroxide and/or magnesium hydroxide, and 20-50 pts.wt. reaction product of a brominated epoxy compd. with 1,3,5-tribromophenol (having a mol wt. of 1,200-6,000 and a bromine content of 5.0-60wt.%), giving a flame-retardant thermoplastic elastomer compsn. The polymer component contains 80-98wt.% polymer A, and the amt. of polymer B accounts for 10-75wt.% of the total amt. of polymers B and C. All the components except polymer A are premixed, and the resulting premixture is mixed with polymer A.

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